

Appendix C

Piping List and Associated Equipment

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Tables C-1 through C-6 list the piping associated with Tanks WM-184, WM-185, and WM-186, and describe past use, point of origin and termination, and function. Tables C-1 through C-3 list the piping that must be decontaminated for Hazardous Waste Management Act/Resource Conservation and Recovery Act closure for Tanks WM-184, WM-185, and WM-186, respectively. Tables C-4 through C-6 list the piping that has hazardous waste for Tanks WM-184, WM-185, and WM-186, respectively. These pipes will be taken out of service, but decontamination is unnecessary.

Table C-1. WM-184 RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
10" VGA-605	Offgas line 10" VGA-605	Tank WM-184	CPP-723	
1" DCN-609	Decon line for riser WM-184 TR-56	Exterior of WM-184 riser TR-56	WM-184 riser TR-56 and WM-184	
1" DCN-610	Decon line for riser WM-184 TR-55	Exterior of WM-184 riser TR-55	WM-184 riser TR-55 and WM-184	
1" DCN-611	Decon line for riser WM-184 TR-58	Exterior of WM-184 riser TR-58	WM-184 riser TR-58 and WM-184	
1" DCN-612	Decon line for riser WM-184 TR-57	Exterior of WM-184 riser TR-57	WM-184 riser TR-57 and WM-184	
3" PWA-630	Process line from A7 to tank WM-184	Valve Box A7	Tank WM-184	Capped in Valve Box A7; grout with valve box
3" PWA-631	Process line from A7 to tank WM-184	Valve PUV-WM-22 in valve box A7	Tank WM-184	Decon and grout
2" PUA-638	South vault sump SR-23 Jet-WM-537 transfer line	WM-184 vault south sump SR-23 Jet-WM-537 discharge	VES-WM-184	Decon only
2" PUA-639	North vault sump SR-22 Jet-WM-536 transfer line	WM-184 north vault sump SR-22 Jet-WM-536 discharge	VES-WM-184	Decon only
½" PUA-642	Drain line for 10" VGA-605	10" VGA-605	VES-WM-184	
1" PUA-657	Drain line for CPP-723 into WM-184 south vault sump SR-23	CPP-723 Trench	Tank WM-184 south vault sump SR-23	Never been used, no action required.
1" PUA-658	Drain line from Valve Box A7	Valve Box A7	1" PUA-657	Decon only
3" PUA-1037	Process discharge line into WM-184	Valve Box C16	VES-WM-184	Decon and grout
2" PUA-1037	Tank WM-184 Jet-WM-584-1A discharge	VES-WM-184 Jet-WM-584-1A	Valve Box C16	Decon and grout
2" PUA-1093	Tank WM-184 jet pump 548-1B discharge	VES-WM-184 Jet-WM-584-1B	Valve Box C16	Decon and grout
1-1/4" PLA-104706	North vault sump SR-22 Jet-WM-584-4 transfer line	WM-184 north vault sump SR-22 Jet-WM-584-4 discharge	Valve Box C16 connection with 1 ½"-PLA 104710	Decon and grout

Table C-2. Tank WM-185 RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
3" PUA-208	Process waste line discharge into Tank WM-184	3" PUA-1030 in Valve Box B3	VES-WM-185	
1 ½" CRN-1001 to 1030	Cooling solution return	VES-WM-185 cooling coils	CPP-634 cooling solution return manifold	
1 ½" CSN-1001 to 1031	Cooling solution supply	CPP-634 cooling solution supply manifold	VES-WM-185 cooling coils	
10" VGA-1002	Vessel Offgas line	Condenser HE-WM-383 in CPP-722	VES-WM-185 center manway	
2" DCA-1008	Decon line for TR-4 riser	Hose connection external to tank riser TR 4	TR 4 Pipe	
2" DCA-1009	Decon line for TR-2 riser	Hose connection external to tank riser TR 2	TR 2 Pipe	
2" DCA-1010	Decon line for TR-1 riser	Hose connection external to tank riser TR 1	TR 1 Pipe	
2" DCA-1011	Decon line for TR-3 riser	Hose connection external to tank riser TR 3	TR 3 Pipe	
1 ½" PUA-1022	Condenser HE-WM-383 drain	CPP-722 PIT, from HE-WM-383	VES-WM-185	
1" PUA-1023	Valve Boxes B3 and B4 drains to south vault sump SR-2	Valve Boxes B3 and B4	South vault sump, SR-2	Decontaminated and permanently capped.
2" PUA-1024	South vault sump SR2 jet pump WM-585-1 discharge line	South vault sump SR2 jet pump 585-1 discharge line	VES-WM-185	Decon only
2" PUA-1027	Tank WM-185 north vault sump SR-1 Jet Pump 585-2 transfer to Tank 185	CPP-785 north vault sump SR-1 jet pump 585-2 discharge	VES-WM-185	Decon only
3" PUA-1028	Process waste line discharge into Tank WM-185	DCV-WM-8 in Valve Box B3	VES-WM-185	
3" PUA-1029	Process waste line discharge into Tank WM-185	3" PUA-1005 in Valve Box B3	VES-WM-185	
2" PUA-1038	Process waste transfer line from jet pump WM-585-3B discharge in TR-11	Tank WM-185 TR-11 jet pump WM-585-3B	3" PUA-1038 in Valve Box C14	
2" PUA-1094	Process waste transfer line from jet pump WM-585-3A discharge in TR-11	Tank WM-185 TR-11 jet pump WM-585-3A	3" PUA-1038 in DVB-WM-PW-C14	
1 ¼" PLA-104707	Steam jet WM-585-4 discharge line	South vault sump SR2 jet pump 585-4	1 ½" PLA-104710 in Valve Box C16	
1 ¼" PLA-104708	South vault sump SR4 jet pump 586-4 discharge	South vault sump SR4 jet pump 586-4	1 ½" PLA-104 in Valve Box C16	
1" PLA-104783	Valve Box C14 drain	Valve Box C14	1 PLA-104773	Decon only

Table C-3. Tank WM-186 RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
10" VGA-1001	Vessel offgas line	VES-WM-186 center manway	Control Pit #1	
1" DCA-1001	Valve Box B2 connection to 3" PUA-1016	Valve Box B2	3" PUA-1016	
2" DCA-1004	Decon line for riser TR6	Exterior of riser TR6	WM-186 TR6 riser	
2" DCA-1005	Decon line for riser TR7	Exterior of riser TR7	WM-186 TR7 riser	
2" DCA-1006	Decon line for riser TR8	Exterior of riser TR8	WM-186 TR8 riser	
2" DCA-1007	Decon line for riser TR5	Exterior of riser TR5	WM-186 TR5 riser	
3" PUA-1013	Process line from B2 to Tank WM-186	B2 (with cap)	Tank WM-186	
½" PUA-1015	10" VGA-1001 drain line to VES-WM-186	10" VGA-1001	VES-WM-186	
3" PUA-1016	Process line from Valve Box B2 to tank WM-186	1" CA-1001	Tank WM-186	
1" PWA-1017	Control Pit #1 drain line to north vault sump SR3	Control Pit #1	North vault sump SR3	
2" PUA-1019	South vault sump SR4 jet pump 586-1 discharge to tank WM-186	South vault sump SR4 jet pump 586-1	VES-WM-186	Decon only
2" PUA-1021	North vault sump SR3 jet pump 586-2 discharge to VES-WM-186	North vault sump SR3 jet pump 586-2	VES-WM-186	Decon only
1" PLA-1031	Valve Boxes B1 and B2 drain line to south vault sump SR4	Valve Boxes B1 and B2	South vault sump SR4	
2" PUA-1039	Tank jet pump 586-3B discharge line	Tank jet pump 586-3B	3" PUA-1039 in Valve Box C19	
3" PUA-1040	Process line from B2 to tank WM-186	3" PUA-1014 in Valve Box B2	Tank WM-186	
2" PUA-1095	Tank jet pump 586-3A discharge line	Tank jet pump 586-3A	3" PUA-1039 in Valve Box C19	
1 ¼" PLA-104708	South vault sump SR4 jet pump 586-4 discharge	South vault sump SR4 jet pump 586-4	1 ½" PLA-104 in Valve Box C16	
1" PLA-104773	Main collection line for valve box drains	Valve boxes	Valve Box C12	Decon only
1" PLA-104782	Valve Box C19 drain to 1" PLA-104773	Valve Box C19	1" PLA-104773	Decon only
1" PWA-1023	Valve box drain	Valve Box B4	South sump of WM-185 vault	Decon only
3" PWA-204	Transfer line	WL 101	WM-181, 184, 186	Decon only

Table C-4. Tank WM-184 non-RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
1 ½" HSA-607	Steam to south vault sump SR 23 jet pump 537	Valve Box C17	SR 23 south vault sump Jet-WM-537	
1 ½" HSA-608	Steam to north vault sump SR 22	Valve Box C17	SR 22 south vault sump Jet-WM-536	
1" DCA-627	Process waste line		Capped east side of WM-184	Line has never been used
1" DCA-628	Process waste line		Capped east side of WM-184	Line has never been used
1" DCA-629	Process waste line		Capped east side of WM-184	Line has never been used
1" PUA-659	Process waste line		Capped east side of WM-184	Line has never been used
3" PWA-635	Spare process line		Capped east side of WM-184	Line has never been used
3" PWA-636	Process waste line		Capped east side of WM-184	Line has never been used
3" PWA-637	Process waste line		Capped east side of WM-184	Line has never been used
1 ½" HSA-1016	Steam supply to tank jet pump, 584-1A	CPP-628	Jet-WM-584-1A	
1 ½" HSA-1017	Steam supply to tank jet pump, 584-1B	CPP-628	Jet-WM-584-1A	
½" LAA-104715	Low pressure air line	CPP-628	SR-22 north sump	
½" LAA-104716	Low pressure air line	CPP-628	SR-22 north sump	
1" HAS-104729	Steam supply to vault jet pump, 584-4	Valve Box C17	SR-22 north vault sump jet pump, 584-4	
(9) ¼" Instrument Lines	Instrument conduit			
1 ½" Instrument Conduit	Instrument conduit			
2" Conduit	Instrument conduit			

Table C-5. Tank WM-185 non-RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
1 ½" HSA-1006	Steam to vault south sump SR2 Jet-WM-585-1	Valve Box C13 line 1" HSN-104730	Vault south sump SR2 Jet-WM-585-1	
1 ½" HSA-1007	Steam to vault north sump SR1 Jet-WM-585-2	Valve Box C13 line 1" HSN-104730	Vault north sump SR2 Jet-WM-585-2	
1 ½" HSA-1018	Steam to tank JET-WM-585-3B	CPP-628	Tank Jet-WM-585-3B	
1 ½" HSA-1019	Steam to tank JET-WM-585-3A	CPP-628	Tank Jet-WM-585-3A	
1" HSA-104733	Steam to vault south sump SR2 Jet-WM-585-4	Valve Box C13 line 1" HSN-104730	Vault south sump SR2 Jet-WM-585-4	
(18) ¼" Instrument Lines				
1 ½" Conduit				

Table C-6. Tank WM-186 non-RCRA closure lines.

Number	Description	Point of Origin	Point of Termination	Comments
1 ½" HSA-1004	Steam to vault south sump SR4 Jet-WM-586-1	Valve Box C13	Vault south sump SR4 Jet-WM-586-1	
1 ½" HSA-1005	Steam to vault north sump SR3 Jet-WM-586-2	Valve Box C13	Vault north sump SR3 Jet-WM-586-2	
1 ½" HSA-1020	Steam to tank JET-WM-586-3B	CPP-628	Tank Jet-WM-586-3B	
1 ½" HSA-1021	Steam to tank JET-WM-586-3A	CPP-628	Tank Jet-WM-586-3A	
1" HSA-104734	Steam to vault south sump SR4 Jet-WM-586-4	Valve Box C13	Vault south sump SR4 Jet-WM-586-4	
(18) ¼" Instrument Lines				
1 ½" Conduit				